p1103: Expand Product of Linear Binomials (v0)

Question 1

Expand the product of linear binomials. $(x+8)(x-8)$

$$x^2 - 8x + 8x - 64$$

$$x^2 - 64$$

Question 2

Expand the product of linear binomials. $(x+2)(x+9)$

$$x^2 + 9x + 2x + 18$$

$$x^2 + 11x + 18$$

Question 3

Expand the product of linear binomials. $(x+4)(x-3)$

$$x^2 - 3x + 4x - 12$$

$$x^2 + x - 12$$

Question 4

Expand the product of linear binomials. $(-3x+9)(5x+4)$

$$-15x^2 - 12x + 45x + 36$$

$$-15x^2 + 33x + 36$$

Question 5

Expand the product of linear binomials. $(-6x+5)(-9x-7)$

$$54x^2 + 42x - 45x - 35$$

$$54x^2 - 3x - 35$$

Question 6

Expand the product of linear binomials. $(x - 6)(x + 2)$

$$x^2 + 2x - 6x - 12$$

$$x^2 - 4x - 12$$

Question 7

Expand the product of linear binomials. $(-6x + 6)(7x - 4)$

$$-42x^2 + 24x + 42x - 24$$

$$-42x^2 + 66x - 24$$

Question 8

Expand the product of linear binomials. $(x - 4)(x - 5)$

$$x^2 - 5x - 4x + 20$$

$$x^2 - 9x + 20$$

Question 9

Expand the product of linear binomials. $(-6x - 4)(-7x - 9)$

$$42x^2 + 54x + 28x + 36$$

$$42x^2 + 82x + 36$$

Question 10

Expand the product of linear binomials. $(2x - 3)(-4x - 5)$

$$-8x^2 - 10x + 12x + 15$$

$$-8x^2 + 2x + 15$$